

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/GB2004/003108

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/12 G02F1/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 323 407 A (VALETTE SERGE) 21 June 1994 (1994-06-21) column 2, line 23 - line 31 column 6, line 21 - line 50 column 7, line 3 - line 6 column 7, line 23 - line 34; figures 5a,5b,6	1-7, 9-11,18, 19, 28-30, 32,33
A	US 6 424 755 B1 (CLAPP TERRY VICTOR) 23 July 2002 (2002-07-23) cited in the application abstract column 2, line 66 - column 3, line 7; figures 1,3,4	1,28

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

Date of the actual completion of the international search

20 October 2004

Date of mailing of the international search report

18.02.2005

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-11,18,19,28-33

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11,18,19,28-33

Apparatus having a slot with at least one curved edge between a waveguide, oriented approximately parallel to the slot, and an optical transmission medium; and method of forming said apparatus.

2. claims: 12-17,34-39

Apparatus having a slot with at least one curved edge between two optical transmission media, said slot adapted to receive a phase adjusting element; and method of forming said apparatus.

3. claims: 20-27,40

Apparatus having a slot with at least one curved edge between two optical transmission media, and having at least one electrode deployed proximate the slot; and method of forming said apparatus.

4. claims: 41-53

Phase adjusting element for use in a phase adjustment system having a slot formed therein proximate a waveguide, having an opening formed in the substrate of said element so that the opening is proximate the waveguide when the element is introduced in the slot; and method of forming said phase adjusting element.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern

pplication No

PCT/GB2004/003108

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5323407	A	21-06-1994	FR	2685096 A1	18-06-1993
			CA	2084816 A1	17-06-1993
			EP	0547955 A1	23-06-1993
			JP	6118211 A	28-04-1994

US 6424755	B1	23-07-2002	CA	2311961 A1	02-01-2001
			EP	1065534 A1	03-01-2001
